

CLAIMS

1. A device for measuring the tack of materials, comprising a first cylinder (1) which is included in a frame (2) and which is connected with driving means for being able to drive this first cylinder in a first direction (a), which device further comprises a second cylinder (3) which is
5 included in a movably arranged yoke, which yoke is connected with the frame via force measuring means which convert the force which the yoke and the frame exert upon each other into a corresponding measuring signal, **characterized in that** the yoke (4) is connected with the frame via a connecting element (5) pivotable about at least two mutually non-parallel
10 shafts about a center and that the force measuring means are formed by a force sensor (6) which is connected with this movable connecting element.
2. A device according to claim 1, wherein the yoke and the frame are, apart from via surfaces of the first and second cylinder, pivotally coupled with each other solely about a single connection in the connecting element.
- 15 3. A device according to claim 1, wherein the force sensor (6) is included between the yoke (4) and the movable connecting element (5).
4. A device according to claim 1, wherein the force sensor (6) is included between the frame (2) and the movable connecting element (5).
5. A device according to claim 1, wherein the force sensor (6) is
20 connected with processing means (7) for processing the measuring signal delivered by the force sensor into one or more material-specific tack values.
6. A device according to claim 5, wherein, in a first calibration step, the second cylinder (3) is coupled via coupling means (10) with a static mass (11) which exerts a static force upon this second cylinder in the
25 direction of the said first direction (a), in which first calibration step, a first correction value, based on the measuring signal delivered by the force sensor (6), is stored in the processing means (7).

7. A device according to claim 6, wherein, during the first calibration step, the outer surface of the second cylinder (3) is uncoupled from the outer surface of the first cylinder (1) by means of the movable connecting element (5) and an uncoupling element.

5 8. A device according to claim 5, wherein, during a second calibration step, the outer surfaces of the first cylinder and the second cylinder are directly coupled with each other while the driving means (9) are activated, in which second calibration step, a second correction value, based on the measuring signal delivered by the force sensor (6), is stored in the
10 processing means (7).

9. A device according to claim 8, wherein the second calibration step is carried out at different speeds of rotation of the first and second cylinder respectively, and for each of these different speeds of rotation, the respective second correction value is stored in the processing means (7).

15 10. A device according to claim 6, 8 or 9, wherein, during a measuring step, the outer surfaces of the first cylinder and the second cylinder are coupled with each other via a layer (8) of a material to be tested for tack, and the driving means (9) are activated, in which measuring step, the measuring signal delivered by the force sensor (6) is processed by the
20 processing means (7) as a measuring value, taking into account the first and/or relevant second correction value stored in the processing means in the first and second calibration step respectively.